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ABSTRACT

A semiconductor device that is capable of correctly transferring signals at high speed. The semiconductor device includes a semiconductor chip, a light-receiving element formed in the semiconductor chip for receiving an optical signal, and a glass fiber as an optical signal transfer device connected to the light-receiving element for transferring the optical signal into the semiconductor chip. Optical signals have a smaller attenuation of signal amplitude and have a higher transfer speed compared to electrical signals. Therefore, by transferring signals in the form of optical signals, the semiconductor device that can correctly transfer signals at high speed is obtained.

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